

THE CLASSROOM BECOMES THE MARKET.

Twelve lessons in which a room full of sheenbot boards turns into a working stock exchange. One board broadcasts the price. The rest trade against it — and the price moves **because your students moved it**.

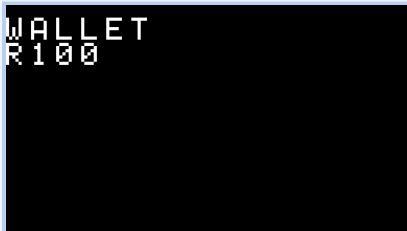
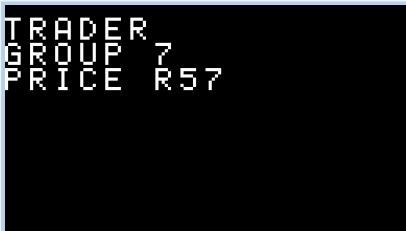
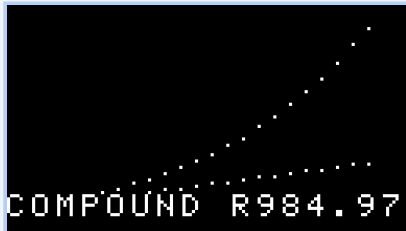
NEW PILOT COURSE · GRADES 5-9 · NOW BOOKING

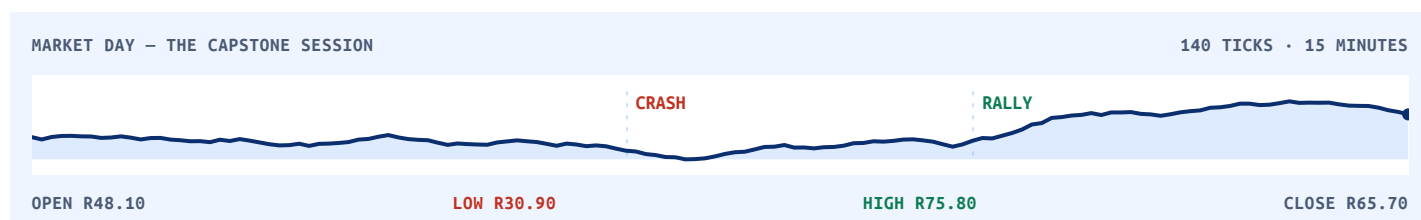
WHO	WHAT	HOW LONG	KIT	NO BOARD?	CURRICULUM
Ages 10-15 Grades 5-9	12 lessons 3 parts	One term 45-60 min each	1 board per student	Runs in the browser	EMS & Maths CAPS-aligned

HOW IT BUILDS

From one wallet to a room full of traders.

Every lesson carries exactly one money idea and one coding idea. Nothing is simulated on a worksheet — every price, every order and every loss happens on hardware the students are holding.

PART 1	LESSONS 1-4	PART 2	LESSONS 5-8	PART 3	LESSONS 9-12
Your Own Money  Lesson 1 · the wallet, on the board A wallet you can press. A budget that must add up to 100. A price that refuses to sit still. By lesson 4 they hold a position, watch it lose money, and meet the rule that saves them from themselves. ONE BOARD · NO NETWORK		The Trading Floor  Lesson 5 · a trader receiving the price Boards talk to each other by radio. One becomes the exchange; everyone else sends buy and sell orders back, and the price moves on the imbalance. Then they discover the spread. BOARD-TO-BOARD RADIO · STILL OFFLINE		Live Markets  Lesson 10 · simple growth vs compound The boards join WiFi and subscribe to a live feed the teacher controls. Compounding, diversification, drawdown — then twenty-five equity curves race on the class dashboard. WIFI · LIVE FEED · DASHBOARD	



They set out to beat the market. They lose to the fees.

The capstone is not scored on profit. It is scored on profit divided by the worst drop along the way — and the benchmark is doing nothing at all. These are the real figures from one Market Day.



Buy-and-hold against a busy strategy, same day, same prices

ONE SESSION · R1 000 STARTING CAPITAL

	BUY & HOLD	TRADING HARD
Trades placed	1	13
Paid in spread	R10.30	R163.85
Finished on	R1 171.27	R853.20
Worst drop	19.1%	30.5%
Risk-adjusted score	+8.97	-4.81

Thirteen trades cost R163.85 in spread alone. Students discover for themselves why most active investors lose to a fund that simply sits still — a fact they will meet again the first time an app congratulates them for trading.

INSIDE EVERY LESSON

Read it, build it, break it, defend it.

LEARNING GOAL	One money idea, one coding idea. Never two of either.	THE CONCEPT	Written for the student, in plain language, with the awkward parts left in.
THE PROGRAM	A working project that opens in Canvas — blocks and the Python they generate.	FLOWCHART	One trip round the loop, where the logic is the point.
YOUR TURN	A change to make, with a picture of the result they are aiming at.	KEY TERMS	A flip deck: bid, ask, spread, drawdown, cost basis.
CHECK YOURSELF	A question with a real answer, explained — not a definition to recall.	THINK ABOUT IT	A written reflection. Several have no comfortable answer.

WHY YOU CAN TRUST THE CONTENT

Every program in this course was run before it was printed.

The code is the blocks

The Python shown to students is generated from the blocks themselves, by the same code the editor runs. It cannot drift out of step with what they see.

Every demo executes

All 24 programs — twelve lessons, both boards — run in the simulator during the build, including a stand-in board sending real radio and market messages.

The finance is checked

The maths is verified against an independent model: the spread, the stop-loss, the drawdown. A rule that runs but is financially wrong never ships.

THE CAPSTONE

Market Day.

Students write their trading rules on paper before they write a single block. Then the market opens, and the teacher decides what happens to it.

00:00	The feed opens. Every board subscribes, every equity curve starts flat on the class dashboard.
+05:00	Crash. The teacher presses one key. The price falls a third. Stop-losses fire across the room, and the students who wrote no rule find out what they do under pressure.
+10:00	Rally. The recovery arrives — and everyone who panicked is sitting in cash, watching it happen without them.
+15:00	The market closes. Boards show MARKET HALTED . Scores are read out on risk-adjusted return, and the loudest trader in the room is usually not the winner.

BRING IT TO YOUR SCHOOL

Book a pilot term.

We run the first Market Day with your teacher, supply the boards, and leave the course in your LMS. Parts 1 and 2 need no internet at all — a room, the boards, and one teacher willing to crash the market on purpose.

WEB

COURSE

AGES

BOARDS

www.sheen.bot

Market Makers

10–15 · Grades 5–9

sheenbot[∞] & pi